

IN THE CLAIMS

Please amend claims 1-10, 13-18, and 20, as set forth below:

The text of all pending claims, along with their current status, is set forth below:

1. (Currently amended) A method for enabling communication between a first agent in a first domain and a second agent in a second domain, the first domain having a first domain coordinator and a first domain service bus and the second domain having a second domain coordinator and a second domain service bus, the method comprising: ~~the steps of:~~

a) registering the first domain coordinator with the second domain service bus without registering the first agent; and a coordinator in the first domain registering a send message service with a service bus; and

b) providing communication between the second agent and the first agent via the second domain service bus, the first domain service bus and the first domain coordinator. ~~the second agent in the second domain communicating with first agent by employing the service bus, the registered send message service, and the coordinator in the first domain.~~

2. (Currently amended) The method of claim 1, comprising: ~~wherein the step of the second agent in the second domain communicating with first agent by employing the service bus, the registered send message service, and the coordinator in the first domain includes~~

i) ~~the coordinator~~ providing a client-side interface for a ~~the~~ send-message service that can be employed by other agents in a different domain to communicate with the first agent ~~agents in the first domain; and~~

ii) ~~the second agent in a second domain communicating with an agent in the first domain~~ by employing the client-side interface for the send-message service to facilitate communication between the second agent and the first agent of the coordinator.

3. (Currently amended) The method of claim 2, comprising: ~~wherein the step of the second agent in a second domain communicating with an agent in the first domain by employing the client-side interface for the send-message service of the coordinator includes~~

i) directing a message from the second agent to the first domain coordinator, which serves as a point of presence for the first agent ~~agents in the first domain;~~

ii) the first domain coordinator receiving the message and forwarding the message to the first ~~intended recipient~~ agent.

4. (Currently amended) The method of claim 1 wherein the first domain coordinator is a point-of-presence for communication directed to ~~agents in the first~~ agent domain by agents external to the first domain.

5. (Currently amended) The method of claim 1 wherein the second domain service bus is ~~the~~ an E-speak service bus.

6. (Currently amended) The method of claim 1 wherein the second domain service bus is an ~~the~~ HTTP service bus.

7. (Currently amended) The method of claim 1 wherein the second domain service bus provides one or more of dynamic firewall transversal services, access control

services, security services, billing services, authentication services, authorization services, ~~and~~ or other predefined infrastructure services.

8. (Currently amended) The method of claim 1 wherein the coordinator provides one or more of naming services, resource directory services, ~~and~~ or send-messages service.

9. (Currently amended) The method of claim 3, comprising: ~~wherein the step of directing a message from the second agent includes~~

invoking a the send-message service, wherein the send-message service is provided by the second domain service bus; ~~wherein the step of the coordinator receiving the message and forwarding the message to the intended recipient agent includes and~~

employing a local naming service to forward the message to the first agent.

10. (Currently amended) The method of claim 9 ~~wherein the step of invoking a send-message service provided by the service bus includes~~ wherein invoking the send-message service comprises specifying a domain name and receiver agent name.

11. (Original) The method of claim 1 wherein the first agent and the second agent communicate in a publish and subscribe mode.

12. (Original) The method of claim 1 wherein the first domain is a first enterprise and the second domain is a second enterprise.

13. (Currently amended) A system for enabling communication between agents in different domains comprising:

a) a first domain service bus in a first domain and a second domain service bus in a second domain for providing infrastructure services;

b) a first domain coordinator in a the first domain having a send-message service that is registered with the second domain service bus without having the first agent registered with the second domain service bus;

c) a first agent in the first domain and a second an agent in a the second domain;
wherein the second agent in the second domain sends a message directed to an agent in the first agent domain by employing the send-message service of the first domain coordinator;
wherein the first domain coordinator provides a point-of-presence gateway for receiving messages directed to agents in the first agent domain and forwarding the message to the intended recipient first agent.

14. (Currently amended) The system of claim 13 ~~wherein the delivery of~~
comprising delivering messages between agents is based on service invocation and the infrastructure services ~~provided by the service bus~~, and wherein the system does not require a centralized coordinator.

15. (Currently amended) The system of claim 13 wherein ~~agents~~ the first agent
~~communicate~~ communicates a plurality of messages with ~~other agents~~ the second agent across domains by invoking a the send-message service ~~provided by a service bus~~, and wherein the system provides a point-of-presence approach to address ~~the~~ an interface diversity problem.

16. (Currently amended) The system of claim 13 wherein ~~each~~ the first agent is required to keep only ~~the~~ a client-side interface of the first domain coordinator in order to communicate with other agents in the first domain.

17. (Currently amended) The system of claim 13 wherein ~~only a single~~ no other send-message service of ~~the coordinator~~ need be registered with the second domain service bus to enable agents external to the first domain to communicate with every agent in the first domain.

18. (Currently amended) A method for enabling inter-enterprise agent communication comprising the steps of:

a) grouping agents into a first group in a first domain having a first domain service bus and grouping agents into a second group in a second domain having a second domain service bus;

b) assigning a coordinator to the agents in the first group;

c) registering a send-message service of the coordinator with a the second domain service bus without registering agents in the first group;

d) the coordinator receiving messages from a the second domain; wherein the messages are directed to ~~an~~ a one of the agents agent in the first group; and

e) the coordinator forwarding the messages to an intended recipient agent;

wherein the second domain service bus provides inter-enterprise communication services between the first domain and the second domain.

19. (Original) The method of claim 18 wherein the first domain is disposed in a first enterprise and the second is disposed in a second enterprise.

20. (Currently amended) The method of claim 18 wherein the second domain service bus provides one or more of dynamic firewall transversal services, access control

services, security services, billing services, authentication services, authorization services,
and or other predefined infrastructure services.